PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY		W.C.			
To:			PCT PCT		
		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
			(PCT Rule 43bis.1)		
		Date of mailing (day/month/year)	See Form PCT/ISA/210 (sheet 2)		
Applicant's or agent's file reference		FOR FURTHER A			
03-B-221 WO		See paragraph 2 below			
International application No.	International filing date (day/month/year)	Priority date (day/month/year)		
PCT/EP2004/013828 06.12.2004			23.01.2004		
International Patent Classification (IPC) or both national classification and IPC F16H48/00, B60K17/16 Applicant					
BEHR GMBH & CO. KG					
This opinion contains indications relat	ing to the following items				
<u></u>	_	•			
	opinion				
Box No. II Priority					
Box No. III Non-establis	hment of opinion with reg	ard to novelty, inventi	ve step and industrial applicability		
Box No. IV Lack of unity	Box No. IV Lack of unity of invention				
applicability	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No. VI Certain docu	ments cited				
Box No. VII Certain defec	cts in the international app	lication			
Box No. VIII Certain observations on the international application					
2. FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form PCT/ISA/220.					
Name and mailing address of the ISA/EP		Authorized officer			
Facsimile No.		Telephone No.			

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Box	No. I	Basis of this opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under
	-	Rule 12.3 and 23.1(b)).
2.		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ition, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Addi	cional comments:

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Box	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
l.	Statement					
	Novelty	(N) Claims 7	YES			
		Claims 1-6, 8, 9	NO			
	Inventive	e step (IS) Claims	YES			
		Claims 1-9	NO			
	Industria	l applicability (IA) Claims 1-9	YES			
		Claims	NO			
2.	Citations an	d avalantions.				
2.	1)	The fellowing decoments (D) gited in the search				
	1)	The following documents (D) cited in the search				
		report are referred to in this report; the same				
		numbering will be used throughout the procedure:				
		D1: DD 286 857 A5				
		D2: WO 02/057699 A				
		D3: US-A-5,165,468				
	2)	PCT Article 33(2)				
		The present application fails to comply with the				
		requirements of PCT Article 33(1) since the				
		subject matter of claims 1-6, claim 8 and claim 9				
		is not novel within the meaning of PCT Article				
		33(2)).				
	2.1)	Claim 1				
		Document D1 discloses (page 2, figure 2; the				
		references in parentheses apply to this document):				
		A heat exchanger having a plate-type design,				
		wherein two adjacent heat exchanger plates (Al				
		+C1, B1 +C2) define a space (9) between them				
		through which the heat exchange medium or a second				
		medium that is to be cooled or heated flows, and,				

Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

at one end of the said heat exchanger, a base plate (15, 16) is provided, which lies at least substantially flat against the adjacent outermost heat exchanger plate (A1, A3) of the heat exchanger, the said base plate (15, 16) being provided with a recess the contours of which follow that of the heat exchanger plate (A1, A3).

Claim 1 therefore lacks novelty.

The technical features of claim 1 are also known from documents D2 and D3. Hence, the subject matter of claim 1 also lacks novelty over these documents.

Claims 2-6 and 8, 92.2)

A heat exchanger with the features of the following claims is also known from the prior art:

- (Claim 2) (D1, figure 2);
- (Claim 3) (D1, figure 2);
- (Claim 4) (D2, figures 2 and 11);
- (Claim 5) (D2, figures 2 and 11);
- (Claim 6) (D2, figures 2 and 11);
- (Claim 8) (D1, figures 2 and 3);
- (Claim 9) (D2, page 2, lines 20-26);

Therefore the subject-matter of claims 2-6 and 8, 9 also lacks novelty.

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3) PCT Article 33(3)

Dependent claim 7 does not contain any features which meet the requirements of the PCT with regard to inventive step, since producing the contour in the base plate by embossing (or casting or machining) is only one of several obvious possibilities from which a person skilled in the art would choose according to the circumstances, without this involving an inventive step, in order to solve the problem posed. Therefore, the subject matter of claim 7 does not involve an inventive step.

4) PCT Article 33(4)

Claims 1-9 are considered to be industrially applicable within the meaning of PCT Article 33(4).

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Box No. VII Certain defects in the international application The following defects in the form or contents of the international application have been noted: Contrary to PCT Rule 5.1(a)(ii), the description 5) does not cite documents D1, D2 and D3, or indicate the relevant prior art disclosed therein.